

AV Sticke version 1.0.74

The AV Sticke ArcView extension works in conjunction with the Stick-e Notes Palm Pilot application. The Stick-e Suite is NOT a California Department of Fish and Game product. This document does not contain any information about use of the Stick-e Notes application. Please, read the Stick-e Note user manual, StickeSuiteV2UserManual.doc for usage and installation instructions.

(see StickeNotes section below for more information)

The AV Sticke ArcView extension requires the following:

= installed software =

- ArcView 3.2a
- Palm Desktop 4.0.1
- Palm HotSync Manager 4.0
- Stick-e Suite (Palm Pilot Application and related PC hotsync conduit)
- AV Sticke Extension
- AV Xlinx Extension (required only if using the automatic hotlinking)

= hardware =

- Palm Pilot capable of running the Stick-e Notes suite and interfacing with a GPS
- GPS unit that is NMEA compliant and capable of interfacing with Palm Pilot
- An appropriate interface cable
- Digital camera that has a supporting camera script within AV Sticke (required only if photo logging)

The following guidelines assume full use of AV Sticke functions including photo logging. Non-photo logging suggested setups and protocols deal mainly with a project based, multiple Palm Pilot data collection effort but are highly recommended. References to recording information assumes data is stored in a database.

= Cameras =

- standardize the type of digital cameras you will be using (brand, model etc...)
- record and use serial numbers as primary IDs for cameras and other equipment
- record firmware version (if possible)

- record media type and if possible the serial numbers of the media cards (or some other id)
- standardize naming convention for images the camera output(s) or accept the defaults
- standardize the initial storage location and archiving location of photos
- standardize the location of the feature shapefile (location of data collection)
- standardize the image format that the camera outputs (if camera support more than one)

#### = Crews =

- record their full names
- record corresponding palm usernames  
(could match fullnames or usually a abbreviated version)  
Standardize this however, my suggestion is to make the palm username match their network login names which will hopefully match their "name" part of their email addresses.
- team assignment (typical, since some members might go with another team on occassion)
- train users on use of software and protocols

#### = Gps =

- record the type of gpss you will be using (brand, model etc...)
- record serial numbers
- record firmware version
- standardize the full path to the area in which the gps data downloaded will be initially stored on the computer and the archive location

#### = Computer =

- record the name and ip of the computer(s) that teams will be synching their palm pilots; perhaps one, but multiple is okay too, but users will need to access all of the standardized project storage locations discussed above.
- setup a central computer that will house the digital images and sticknotes archives; record the computer name and ip and the sharename and path for the archive area

All of the above information is necessary for the following:

- in order to populate picklists on the sticknotes entry on the palm pilot
- to create a general table to store user, camera and gps data for this and other uses

- the camera file naming convention and initial storage info is really important since this will allow a great deal of automation to occur. I will need at least this so that I can write the camera scripts that may fully automate the process

= StickeNotes =

StickeNotes was created by Jason Pascoe and Nick Ryan Copyright © 1996-1999 and can be downloaded at:

<http://www.cs.ukc.ac.uk/people/staff/nsr/mobicomp/Fieldwork/Software/index.html>

The user manual can be found online at:

<http://www.cs.ukc.ac.uk/people/staff/nsr/mobicomp/Fieldwork/Software/Pilot/OnlineManual/StickeV2UserManual.html>

- data types not supported

Notepad and SubNote are not supported

- Notes about the range option

Ranges are two number values, however they are stored in the the ArcView attribute table in one character field in comma-delimited format.

Upon installation of StickeNotes on your Palm Pilot, a default (blank); Sticke Plate Template is installed. However, there is a replacement PDB in the c:\avsticke directory called, StickeDB.pdb that contains an example of the PhotoLog template database.

= Current Beta Testing Clean-up Notes =

The following describes the steps to "clean-up" AV Sticke prior to installing a new version or for continuing re-testing.

1) Start an ArcView session and add the table, xlink.dbf from the D:\ESRI\AV\_GIS30\ARCVIEW\ETC directory.

2) Examine the records and find any records that have Sticke shapefile, values in the "Xlsrc" field (eg. "d:\data\photolog\photolog.shp"). Write down the values in the "Xlsrc" and "Xltab" fields.

"Xlsrc" will be path values to a shapefile such as "d:\data\photolog\photolog.shp" where 'photolog' is the name of the

Sticke table. The "Xltab" field will contain a dbf name such as "xlf4.dbf".

3) Delete the record(s) that have the Sticke shapefile path in the "Xlsrc" field.

4) Save the table edits and then quit ArcView without saving.

5) Go to the D:\ESRI\AV\_GIS30\ARCVIEW\ETC directory and delete the following files if they exist:

- avscam.dbf (after full testing of camera script dialog etc... can omit deletion)
- ppcond.txt
- ppuser.txt

6) Delete any of the "xlf#.dbf" files that you noted in step #2.

7) Delete any of the directories that you noted earlier in step #2. Using the example, in step #2 above; I would delete the directory: d:\data\photolog\ and all its contents.

8) Go to the directory D:\ESRI\AV\_GIS30\ARCVIEW and edit the file, dfgavx.ini. You can use notepad for this purpose. Find the listing for AV Sticke which should look something like this:

```
[avsticke]
debug=FALSE
splash=true
avstickehome=D:\ESRI\AV_GIS30\ARCVIEW\etc
palmhome=d:\Palm
defaultuser=ioshima
defaultdirectory=ioshim
Photolog=d:\data\Photolog
```

This entry will probably be at the bottom of the dfgavx.ini file. Delete these lines from the dfgavx.ini and save the file.

9) Get a new copy of AV Sticke and re-install the extension.

10) Go to the directory D:\ESRI\AV\_GIS30\ARCVIEW and find the file, avsticke.log. Give a copy of this file to Isaac along with the beta testing notes that you made during testing. Delete the avsticke.log file.

= Known Bugs =

- This bug actually relates to the Xlinx extension, but since this extension is called and used by AV Sticke users to view the hotlinked images, I have listed it here. When viewing hotlinked

images, if you delete a hotlink record in the AV Xlinx dialog; you will get an error message that you are trying to access a deleted record. At this point, you will have to save the project and re-open.

- When you specify a polygon shapefile for the extension to use to spatially index the photo files, the setting does not always get saved properly the first time. You'll need to double-check it.